

**Notice of Allowability**

Application No.

10/663,283

Examiner

Lorna M. Douyon

Applicant(s)

KANEKO, AKIYASU

Art Unit

1751

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment dated February 17, 2005.
2. ☒ The allowed claim(s) is/are 1-3, 6-7, 18, 11-13, 16-17, 19-25 renumbered 1-18 respectively.
3. ☐ The drawings filed on \_\_\_\_\_ are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All   b) ☐ Some\*   c) ☐ None   of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date 1/24/05
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

*Lorna M. Douyon*  
Lorna M. Douyon  
Primary Examiner  
Art Unit: 1751

### **EXAMINER'S AMENDMENT**

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Jennifer Woodside-Wojtala (Reg. No. 50721) on May 16, 2005.

2. The application has been amended as follows on the next 4 pages:

1. (currently amended) A solvent composition for dissolving plastic comprising:  
at least 60 to 80 wt% of either isopropyl bromide and/or n-propyl bromide;  
and  
at least 20 to 40 wt% of either nitromethane and/or nitroethane[[,]]  
~~wherein a content of said at least either nitromethane or nitroethane is 20 through 50 wt% with respect to an entire amount of said solvent.~~
2. (original) A solvent composition for dissolving plastic according to claim 1, further including a fluorine-based solvent.
3. (original) A solvent composition for dissolving plastic according to claim 1, further including N-methyl pyrrolidone.
4. (cancelled)
5. (cancelled)
6. (currently amended) A solvent composition for dissolving plastic according to claim 1, wherein the content of said ~~at least either~~ nitromethane and/or nitroethane is 20 through 35 wt% with respect to the entire amount of said solvent.

7. (original) A solvent composition for dissolving plastic according to claim 6, further including N-methyl pyrrolidone.

8. (cancelled)

9. (cancelled)

10. (cancelled)

11. (currently amended) A solvent composition for dissolving plastic comprising:

at least 60 to 90 wt% of either isopropyl bromide and/or n-propyl bromide;

and

10 to 40 wt% nitroethane[[]]

~~wherein a content of said nitroethane is 10 through 50 wt% with respect to an entire amount of said solvent.~~

12. (previously presented) A solvent composition for dissolving plastic according to claim 11, further including a fluorine-based solvent.

13. (previously presented) A solvent composition for dissolving plastic according to claim 11, further including N-methyl pyrrolidone.

14. (cancelled)

15. (cancelled)

16. (previously presented) A solvent composition for dissolving plastic according to claim 11, wherein the content of said nitroethane is 10 through 35 wt% with respect to the entire amount of said solvent.

17. (previously presented) A solvent composition for dissolving plastic according to claim 16, further including N-methyl pyrrolidone.

18. (new) A solvent composition for dissolving plastic according to claim 1, wherein the plastic is selected from the group consisting of: polyester, acrylic resin, polycarbonate, phenoxy resin, polysulfone, styrene resin, and mixtures thereof.

19. (new) A solvent composition for dissolving plastic according to claim 11, wherein the plastic is selected from the group consisting of: polyester, acrylic resin, polycarbonate, phenoxy resin, polysulfone, styrene resin, and mixtures thereof.

20. (new) A solvent composition for dissolving a plastic selected from the group consisting of polyester resin, acrylic resin, phenoxy resin, polysulfone resin, styrene resin, and mixtures thereof, the composition comprising:

50 to 80 wt% of isopropyl bromide and/or n-propyl bromide; and  
20 to 50 wt% of nitromethane and/or nitroethane.

21. (new) A solvent composition for dissolving a plastic according to claim 20, further including a fluorine-based solvent.

22. (new) A solvent composition for dissolving a plastic according to claim 20, further including N-methyl pyrrolidone.

23. (new) A solvent composition for dissolving a plastic selected from the group consisting of polyester resin, acrylic resin, phenoxy resin, polysulfone resin, styrene resin, and mixtures thereof, the composition comprising:

50 to 90 wt% of isopropyl bromide and/or n-propyl bromide; and  
10 to 50 wt% of nitroethane.

24. (new) A solvent composition for dissolving a plastic according to claim 23, further including a fluorine-based solvent.

25. (new) A solvent composition for dissolving a plastic according to claim 23, further including N-methyl pyrrolidone.

### STATEMENT OF REASONS FOR ALLOWANCE

3. The following is an examiner's statement of reasons for allowance:

The claims in their present amended forms have overcome the anticipation rejections based upon each of Thenappan '997, Thenappan '832 and Doyel because the minimum requirement for the nitromethane is presently 20 wt% which is outside the scope of the preferred compositions of Thenappan '997, Thenappan '832 or Doyel. The obviousness rejections based upon these references, as they apply to the present amended claims, including the newly found art to Oshima et al. (US Patent No. 5,665,172) are likewise overcome because even though each of these references teaches similar compositions for cleaning and degreasing, none of these references teaches dissolving plastic, and Applicants have shown on pages 8-10, 12-13, 15-16 that the recited proportions of isopropyl bromide and/or n-propyl bromide together with nitromethane and/or nitroethane unexpectedly dissolve plastic and are nonflammable. Accordingly, the subject matter, as a whole, would not have been obvious to one of ordinary skill in the art.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

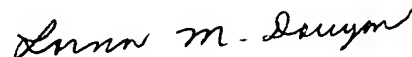
4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lorna M. Douyon whose telephone number is (571) 272-

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1313. The examiner can normally be reached on Mondays-Fridays from 8:00AM to 4:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Yogendra Gupta can be reached on (571) 272-1316. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Lorna M. Douyon  
Primary Examiner  
Art Unit 1751



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DATE: May 16, 2005

NO. OF PAGES (INCLUDING THIS PAGE): 6

FOR: Examiner Lorna Douyon

COMPANY: USPTO

FAX NO.: (571) 273-1313

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FROM: Greg Stobbs (Reg. No. 28,764) / Jennifer Woodside Wojtala (Reg. No. 50,721)

Please let us know by phone or fax if you do not receive any of these pages.

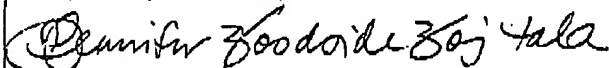
## COMMENTS:

U.S. Patent Application: SOLVENT COMPOSITION FOR DISSOLVING PLASTIC  
Serial No.: 10/663,283  
Filing Date: September 16, 2003  
Applicant: Akiyasu Kaneko  
Atty Ref No.: 3557G-000041

Please find attached proposed draft claims in the above-identified application.

You are hereby authorized to charge Deposit Account 08-0750 for any additional claim fees in association with an Examiner's Amendment.

Respectfully Submitted,



Gregory A. Stobbs  
Reg. No. 28,764

Jennifer M. Woodside Wojtala  
Reg. No. 50,721

## \*\*\* NOTICE \*\*\*

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